

**COMBINED DECLARATION AND POWER OF ATTORNEY  
FOR UTILITY PATENT APPLICATION**

Attorney's Docket No.

000475-205

As a below-named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name;

I BELIEVE I AM THE ORIGINAL, FIRST AND SOLE INVENTOR (if only one name is listed below) OR AN ORIGINAL, FIRST AND JOINT INVENTOR (if more than one name is listed below) OF THE SUBJECT MATTER WHICH IS CLAIMED AND FOR WHICH A PATENT IS SOUGHT ON THE INVENTION ENTITLED:

**MICROFLUIDIC SYSTEM AND METHODS OF USE**

the specification of which

(check one)

is attached hereto;  
 was filed on May 16, 1997 as  
Application No. 08/858,087  
and was amended on \_\_\_\_\_;  
(if applicable)

I HAVE REVIEWED AND UNDERSTAND THE CONTENTS OF THE ABOVE-IDENTIFIED SPECIFICATION, INCLUDING THE CLAIMS, AS AMENDED BY ANY AMENDMENT REFERRED TO ABOVE;

I ACKNOWLEDGE THE DUTY TO DISCLOSE TO THE OFFICE ALL INFORMATION KNOWN TO ME TO BE MATERIAL TO PATENTABILITY AS DEFINED IN TITLE 37, CODE OF FEDERAL REGULATIONS, Sec. 1.56 (as amended effective March 16, 1992);

I do not know and do not believe the said invention was ever known or used in the United States of America before my or our invention thereof, or patented or described in any printed publication in any country before my or our invention thereof or more than one year prior to said application; that said invention was not in public use or on sale in the United States of America more than one year prior to said application; that said invention has not been patented or made the subject of an inventor's certificate issued before the date of said application in any country foreign to the United States of America on any application filed by me or my legal representatives or assigns more than twelve months prior to said application;

I hereby claim foreign priority benefits under Title 35, United States Code Sec. 119 and/or Sec. 365 of any foreign application(s) for patent or inventor's certificate as indicated below and have also identified below any foreign application for patent or inventor's certificate on this invention having a filing date before that of the application(s) on which priority is claimed:

*See paper #22  
for change in  
inventorship  
12/10/97*

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Attorney's Docket No.

000475-205

COUNTRY/INTERNATIONAL	APPLICATION NUMBER	DATE OF FILING (day, month, year)	PRIORITY CLAIMED
			YES_ NO_
			YES_ NO_

I hereby appoint the following attorneys and agent(s) to prosecute said application and to transact all business in the Patent and Trademark Office connected therewith and to file, prosecute and to transact all business in connection with international applications directed to said invention:

William L. Mathis	17,337	Ralph L. Freeland, Jr.	16,110	William C. Rowland	30,888
Peter H. Smolka	15,913	Robert G. Mukai	28,531	T. Gene Dillahunt	25,423
Robert S. Swecker	19,885	George A. Hovanec, Jr.	28,223	Anthony W. Shaw	30,104
Platon N. Mandros	22,124	James A. LaBarre	28,632	Patrick C. Keane	32,858
Benton S. Duffett, Jr.	22,030	E. Joseph Gess	28,510	Bruce J. Boggs, Jr.	32,344
Joseph R. Magnone	24,239	R. Danny Huntington	27,903	William H. Benz	25,952
Norman H. Stepno	22,716	Eric H. Weisblatt	30,505	Peter K. Skiff	31,917
Ronald L. Grudziecki	24,970	James W. Peterson	26,057	Richard J. McGrath	29,195
Frederick G. Michaud, Jr.	26,003	Teresa Stanek Rea	30,427	Matthew L. Schneider	32,814
Alan E. Kopecki	25,813	Robert E. Krebs	25,885	Michael G. Savage	32,596
Regis E. Slutter	26,999	Robert M. Schulman	31,196	Gerald F. Swiss	30,113
Samuel C. Miller, III	27,360				

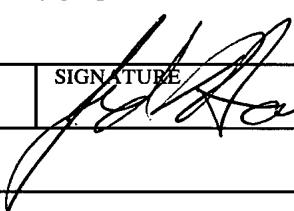
and: Leslie A. Mooi, Reg. No. 37,047; Earl A. Bright II, Reg. No. 37,045; and Leslie J. Boley, Reg. No. P41490

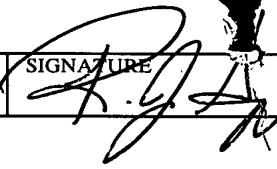
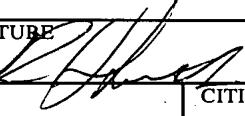
Address all correspondence to:

**Gerald F. Swiss, Esq.**  
**BURNS, DOANE, SWECKER & MATHIS, L.L.P.**  
 P.O. Box 1404  
 Alexandria, Virginia 22313-1404

Address all telephone calls to: Leslie A. Mooi, Esq. at (415) 854-7400.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

FULL NAME OF SOLE OR FIRST INVENTOR Daniel Jed Harrison	SIGNATURE 	DATE Sept 18/97
RESIDENCE 8932 151 Street, Edmonton, Alberta T5R 1J2, Canada	CITIZENSHIP Canada	
POST OFFICE ADDRESS 8932 151 Street, Edmonton, Alberta T5R 1J2, Canada		
FULL NAME OF SECOND JOINT INVENTOR, IF ANY Per Andersson	SIGNATURE 	DATE Oct 2/97
RESIDENCE Apartment #9 10530 79th Avenue, Edmonton, Alberta T6G 1R8, Canada	CITIZENSHIP Sweden	
POST OFFICE ADDRESS Apartment #9 10530 79th Avenue, Edmonton, Alberta T6G 1R8, Canada		
FULL NAME OF THIRD JOINT INVENTOR, IF ANY Paul Li	SIGNATURE	DATE
RESIDENCE 20E, Block 17, Laguna City, Kwun Tong, Hong Kong	CITIZENSHIP Hong Kong	
POST OFFICE ADDRESS Department of Biology and Chemistry, City University of Hong Kong, Tat Chee Avenue, Kowloon Tong, Hong Kong		

FULL NAME OF FOURTH JOINT INVENTOR, IF ANY Roderick Szarka RESIDENCE 11712 10th Avenue, Edmonton, Alberta T6J 7A6, Canada		SIGNATURE 	DATE Sept 11, 1997
POST OFFICE ADDRESS 11712 10th Avenue, Edmonton, Alberta T6J 7A6, Canada		CITIZENSHIP Canada	
FULL NAME OF FIFTH JOINT INVENTOR, IF ANY Richard Smith RESIDENCE 1010 Buchanan Place, Edmonton, Alberta T6R 2A6, Canada		SIGNATURE 	DATE Sept 11, 1997
POST OFFICE ADDRESS 1010 Buchanan Place, Edmonton, Alberta T6R 2A6, Canada		CITIZENSHIP Canada	
FULL NAME OF SIXTH JOINT INVENTOR, IF ANY		SIGNATURE	DATE
RESIDENCE		CITIZENSHIP	
POST OFFICE ADDRESS			
FULL NAME OF SEVENTH JOINT INVENTOR, IF ANY		SIGNATURE	DATE
RESIDENCE		CITIZENSHIP	
POST OFFICE ADDRESS			
FULL NAME OF EIGHTH JOINT INVENTOR, IF ANY		SIGNATURE	DATE
RESIDENCE		CITIZENSHIP	
POST OFFICE ADDRESS			
FULL NAME OF NINTH JOINT INVENTOR, IF ANY		SIGNATURE	DATE
RESIDENCE		CITIZENSHIP	
POST OFFICE ADDRESS			



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COUNTRY/INTERNATIONAL	APPLICATION NUMBER	DATE OF FILING (day, month, year)	PRIORITY CLAIMED
			YES_ NO_
			YES_ NO_

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Daniel Jed Harrison		
RESIDENCE	CITIZENSHIP	
8932 151 Street, Edmonton, Alberta T5R 1J2, Canada	Canada	
POST OFFICE ADDRESS		
8932 151 Street, Edmonton, Alberta T5R 1J2, Canada		
FULL NAME OF SECOND JOINT INVENTOR, IF ANY	SIGNATURE	DATE
Per Andersson		
RESIDENCE	CITIZENSHIP	
Apartment #9 10530 79th Avenue, Edmonton, Alberta T6G 1R8, Canada	Sweden	
POST OFFICE ADDRESS		
Apartment #9 10530 79th Avenue, Edmonton, Alberta T6G 1R8, Canada		
FULL NAME OF THIRD JOINT INVENTOR, IF ANY	SIGNATURE	DATE
Paul Li <u>Paul C. H. Li</u>	<u>F. C. H. Li</u>	<u>8 Sep 1997</u>
RESIDENCE	CITIZENSHIP	
20E, Block 17, Laguna City, Kwun Tong, Hong Kong	Hong Kong <u>Canada</u>	
POST OFFICE ADDRESS		
Department of Biology and Chemistry, City University of Hong Kong, Tat Chee Avenue, Kowloon Tong, Hong Kong	<u>F. C. H. Li</u>	

FULL NAME OF FOURTH JOINT INVENTOR, IF ANY		SIGNATURE	DATE
Roderick Szarka RESIDENCE 11712 10th Avenue, Edmonton, Alberta T6J 7A6, Canada		CITIZENSHIP Canada	
POST OFFICE ADDRESS  11712 10th Avenue, Edmonton, Alberta T6J 7A6, Canada			
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Richard Smith RESIDENCE 1010 Buchanan Place, Edmonton, Alberta T6R 2A6, Canada		CITIZENSHIP Canada	
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RESIDENCE		CITIZENSHIP	
POST OFFICE ADDRESS			
FULL NAME OF NINTH JOINT INVENTOR, IF ANY		SIGNATURE	DATE
RESIDENCE		CITIZENSHIP	
POST OFFICE ADDRESS			